

Amendments to the Claims:

Claim 1 (Currently Amended): A digital document processing system, comprising
an application dispatcher for receiving ~~an~~ a plurality of input bytestreams, each input bytestream representing source data in one of a plurality of predetermined data formats, and for associating ~~the~~each input bytestream with one of said plurality of predetermined data formats,
a plurality of document agents for interpreting said input bytestreams as a function of said associated predetermined data formats and for parsing the input bytestreams into a-streams of document objects representative of internal representations of primitive structures within the input bytestreams, and
a core document engine for a) converting said document objects into ~~an~~ internal representation data ~~format~~ representing the collective content of said input bytestreams in an internal representation data format and for b) mapping said internal representation data to a location on a display.

Claim 2 (Currently Amended): A digital document processing system according to claim 1, further comprising a shape processor for processing said internal representation data to drive an output device.

Claim 3 (Original): A digital document processing system as claimed in claim 1, wherein said source data defines the content and structure of a digital document, and wherein said internal representation data describes said structure in terms of document objects of a plurality of data types and parameters defining properties of specific instances of the document objects, separately from said content.

Claim 4 (Original): A digital document processing system according to claim 3, wherein the parameters defining properties of specific instances include properties selected from the group consisting of dimensional, temporal, and physical.

Claim 5 (Original): A digital document processing system as claimed in claim 3, further including a library of objects types, said internal representation data being based on the content of said library.

Claim 6 (Original): A digital document processing system as claimed in claim 3, wherein said core document engine includes a parsing and rendering module adapted to generate an object and parameter based representation of a specific view of at least part of said internal representation data, on the basis of a first control input to said parsing and rendering module.

Claim 7 (Currently Amended): A digital document processing system according to claim 6 wherein said object and parameter based representation includes parameters selected from the group consisting of fill, path, bounding box and transparency.

Claim 8 (Currently Amended): A digital document processing system according to claim 5 6, further including a shape processing module adapted to receive said object and parameter based representation of said specific view from said parsing and rendering module and to convert said object and parameter based representation into an output data format suitable for driving a particular output device.

Claim 9 (Currently Amended): A digital document processing system according to claim 8, wherein said shape processing module processes said objects on the basis of a shape defining the shape of the object bounded by a ~~the~~ boundary box, the data content of the object, and the transparency of the object.

Claim 10 (Original): A digital document processing system according to claim 8, wherein said shape processing module processes said objects on the basis of a shape defining the shape of the object bounded by the boundary box representative of a defined area on a display on which an object may be rendered.

Claim 11 (Currently Amended): A digital document processing system according to claim 1, wherein the system employs a chrominance/luminance-based ~~eolour~~ color model to describe ~~eolour~~ color data.

Claim 12 (Original): A digital document processing system according to claim 1, wherein the system employs a universal text encoding model.

Claim 13 (Currently Amended): A digital document processing system according to claim 12, wherein ~~the unvi~~universal text encoding model includes unicode, shift-mapping and big-5.

Claim 14 (Currently Amended): A digital document processing system according to claim 1, further including a processor for compacting ~~an the~~ internal representation data of a source ~~document~~ by combining document objects having similar attributes.

Claim 15 (Currently Amended): A digital document processing system according to claim 1, further including a processor for compacting ~~an the~~ internal representation data of a source ~~document~~ by combining document objects having similar style attributes.

Claim 16 (Canceled)

Claim 17 (Original): A digital document processing system according to claim 1, further comprising a graphical user interface for generating internal representations of interactive visual displays to be employed by a user for controlling the digital document processing system.

Claim 18 (Original): A digital document processing system according to claim 17, comprising a data processing device incorporating a graphical user-interface.

Claim 19 (Original): A digital document processing system according to claim 1, having a platform adapted for being embedded into a device selected from the group consisting of a hand held computer, a mobile telephone, a set top box, a facsimile machine, a copier, an embedded computer system, a printer, an in-car system and a computer workstation.

Claim 20 (Original): A digital document processing system according to claim 1, having a processor including a core processor system.

Claim 21 (Original): A digital document processing system according to claim 20, wherein said core processor is a RISC processor.

Claim 22 (Currently Amended): A digital document processing system according to claim 1 wherein ~~the~~ at least one of the document agents includes an export process for exporting data in a selected format.

Claim 23 (Currently Amended): A digital document processing system according to claim 1, adapted for operating on a multiple ~~processing-processor~~ system.

Claim 24 (Currently Amended): A method for displaying content, comprising
receiving a plurality of sources of data representative of ~~the~~ digital content having a structure and data content,
processing the sources of data to identify a file format associated with each source of data,
translating the sources of data, as a function of the identified file format of each source of data, into ~~an~~ internal representations that includes ~~a~~ first data structures for storing information about the structure of the digital content, and ~~a~~ second data structures for storing information about the data content contained in the digital content,
generating a collective content file representative of an internal representation of content to be presented to a user, by processing the first data structures to determine a structure for a portion of the collective content file and by processing the second data structures to determine data content for the respective portion of the collective content file.

Claim 25 (Currently Amended): A method according to claim 24, wherein receiving one of the a sources of data includes receiving a stream of input data from a data source.

Claim 26 (Original): A method according to claim 25, wherein the data source is selected from the group consisting of a data file, a byte stream generated from a peripheral device, and a byte stream generated from a data file.

Claim 27 (Currently Amended): A method according to claim 25, wherein processing one of the sources of data includes presenting information about the source of data to a plurality of document agents, ~~each being~~ capable of translating a data source of a known file format into the internal representation.

Claim 28 (Currently Amended): A method according to claim 24, wherein translating the sources of data into ~~an~~the internal representation includes processing the sources of data to identify data therein, and mapping the identified data to a set of object types representative of types of content that are present in ~~a~~sources of data.

Claim 29 (Currently Amended): A method according to claim 28, wherein the mapping includes mapping identified data to a set of object types suitable for translating source data representative of ~~a~~ content selected from the group consisting of a digital document, an audio/visual presentation, a music file, an interactive script, a user interface file and an image file.

Claim 30 (Currently Amended): A method according to claim ~~24~~ 28, wherein the mapping includes mapping the identified data to a set of object types including a bitmap object type, a vector graphic object type, a video type, an animation type, a button type, a script type and a text object type.

Claim 31 (Currently Amended): A method according to claim 24, wherein translating the sources of data includes filtering portions of ~~the~~ source data to create a filtered internal representation of the sources of data ~~document~~.

Claim 32 (Currently Amended): A method according to claim 24, wherein translating the sources of data includes altering the first data structures to adjust the structure of the digital content.

Claim 33 (Currently Amended): A method according to claim 24, wherein translating the sources of data includes the further act of substituting data content in the second data structures to thereby modify content presented within the internal representation.

Claim 34 (Currently Amended): A method according to claim 24, wherein translating the sources of data includes translating the sources of data into a set of document objects of known object types, wherein a document object includes a set of parameters that define dimensional, temporal and physical characteristics of the document object.

Claim 35 (Currently Amended) A method according to claim 24, wherein the ~~process-method~~ is adapted for running on multiple processors.

Claim 36 (Currently Amended): A method according to claim 24, ~~wherein the process-method~~ further comprising providing a text encoding process, for encoding text in a format selected from the group consisting of unicode, shift-mapping and big-5.

Claim 37 (Original): A method according to claim 24, wherein generating a content data file includes parsing a set of document objects having associated parameters, to define a structure and content for the content data file.

Claim 38 (Currently Amended): A method according to claim 37, further including processing the structure and content of the content data file to create a set of objects that defines the content data file and is ~~are~~ capable of being rendered on an output device.

Claim 39 (Currently Amended) A method according to claim 38, wherein processing the document objects includes processing the associated parameters for flowing content into a structure defined by the document objects.

Claim 40 (Currently Amended): A method according to claim 38, wherein the output device ~~includes a display~~ is selected from the group consisting of a visual display, an audio speaker, a video player, a television display, a printer, a disc drive, a network, and an embedded display.

Claim 41 (Currently Amended): A system for interacting with content in a plurality of digital documents, comprising

a plurality of document agents for converting content in the digital documents into a collective set of document objects representative of internal representations of primitive structures identified in the digital documents, and

a core document engine for rendering said collective set of document objects to generate a display representative of the collective digital content,

a user interface for detecting input signals representative of input for modifying the content of the digital documents, and

a processor for changing the internal representations ~~of the content~~ as a function of the input signals, to modify the display of the collective digital content.

Claim 42 (Original): A system according to claim 41, wherein the user interface includes an input device selected from the group consisting of a mouse, a touch pad, a touch screen, a joy stick, a remote control and a keypad.